| · 1 | Index | c of C | Claims | 3 |
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| Application/Contro | ol No. | Applicant(s)/l<br>Reexamination | Patent under |
|--------------------|--------|---------------------------------|--------------|
| 10/799,540         |        | DAVID, NAT                      | HANIEL E.    |
| Examiner           |        | Art Unit                        |              |
| Betty Lee, Ph.D.   |        | 1647                            |              |

| 1 | Rejected |
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| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

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| į | - | Interference |

| A | Appeal   |
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| Cla          | im       | Date    |                |          |  |          |          |          |            |          |
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| 75           | Original | 1/17/08 | 2625           |          |  |          |          | - 1      | 1          |          |
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|              |          | N       | 17             | $\vdash$ | _  | -        | $\dashv$ | $\dashv$ | -+         | ⊣        |
|              | 3        | 1       | Н              | Н        |  | Н        | $\dashv$ | ᅱ        | -          | $\dashv$ |
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|              | 6        | N       | Ш              | Ш        | ш  | Щ        | _        | _        | _          |          |
| L_           | 7        | N       | Ш              | Ш        | _  | Ш        | _        | _        | -          | -        |
|              | 8        | N       | Ш              |          | Ш  |          |          | _        | _          | _        |
|              | 9        | N       | Ш              |          | L  | Ш        |          | _        | _          | _        |
|              | 10       | N       | Ш              |          |  |          |          |          | _          | _        |
|              | 11       | N       | П              |          |  |          |          |          | $_{\perp}$ | ┙        |
|              | 12       | N       | $\coprod$      |          |  |          |          |          |            |          |
|              | 12<br>13 | N       | П              |          |  |          |          |          |            |          |
|              | 14       | N       | П              |          |  |          |          |          |            | _]       |
|              | 15       | N       | ΙŤ             | Г        |  |          |          |          | $\Box$     |          |
|              | 16       | N       | T              | Г        |  |          |          |          |            | $\Box$   |
| $\vdash$     | 17       | N       | Ħ              | Г        |  | Г        |          | П        |            |          |
| <del> </del> | 18       | N       | H              | Η-       | ┢  | ┪        |          | $\Box$   |            | $\dashv$ |
|              | 19       | i N     | N              | $\vdash$ | _  | $\vdash$ | -        |          | $\neg$     | $\neg$   |
| $\vdash$     | 20       | N       | ╠              | ┝        | ┝  | ┢        | _        | Н        |            | $\dashv$ |
| $\vdash$     | 21       | 1       | <del>  `</del> | ⊢        |  | ⊢        | H        | Н        | $\vdash$   | $\dashv$ |
| ├—           | 21       |         | H              | ⊢        | ├-   | ⊢        | H        | Н        | -          | Н        |
| ├            | 22       | 1       | ₩              | ├-       | _  |          |          | Н        | Н          |          |
| <u> </u>     | 23       | 17      | Н.             | ⊢        | ⊢  | ⊢        | <u> </u> | -        | Н          | -        |
| <u> </u>     | 24       | 1       | #-             | <b>!</b> | ┡  | ┡        | <u> </u> | H        | _          | $\dashv$ |
| Ь—           | 25       | マママ     | 11             | -        | ļ  | <b>├</b> | $\vdash$ | H        | -          | $\dashv$ |
|              | 26       | 14      | Ц.             | <b>!</b> | <u> </u>   | ļ        | <u> </u> | Н        | Н          | Н        |
|              | 27       | 14      | 4              | <u> </u> | ┡  | ļ.,      | _        | Ш        |            | Ы        |
|              | 28       | 7       | 11             | <u> </u> | ╙  | _        |          |          |            | Н        |
|              | 29       | 1       | Ц              | _        | <u> </u>   | L        | <u> </u> | $\sqcup$ |            | Ш        |
|              | 30       | 1       | Ш              | _        | ᆫ  | L        | L        | Ш        | $\Box$     | Щ        |
| L            | 31       | V       | Ц              |          | _  | L        | 乚        |          |            | Ш        |
|              | 32       | 777     | Ш              |          | oxdot  | 丄        | _        |          | Ш          | Ш        |
|              | 33       | 4       | Ш              | L        | 匚  |          | L        |          | ᆫ          | Ш        |
|              | 34       | 77      | П              |          |  |          | L        |          | _          | Ш        |
|              | 35       | V       | П              | 匚        | L  | 匚        |          |          |            | Ш        |
|              | 36       | 1       | $\coprod$      |          |  |          |          |          |            |          |
|              | 37       | 1       | П              | Γ        |  |          |          |          |            |          |
|              | 38       | 1       | V              | Т        |  |          |          |          |            |          |
|              | 39       | N       | N              | Г        | Т  | T        | Π        | Г        |            |          |
|              | 40       | N       | Ti             | Τ        | T  | Т        |          | Г        |            | П        |
|              | 41       | N       | T              | T        |  | Т        | Г        | Π        |            | П        |
|              | 42       | N       | Ħ              | T        | 1  | $\top$   |          | 1        | Г          | М        |
|              | 43       | N       | 11             | $\vdash$ | 1  | 1        | 1        | Г        | Г          | П        |
| -            | 44       | N       |                | t-       | <del>†                                    </del> | T        | 1        | $\vdash$ | 1          | П        |
| <b>—</b>     | 45       | N       | ╫              | ٢        | ✝  | †        | $\vdash$ | $\vdash$ | 1          | Н        |
| $\vdash$     | 46       | N       | ₩              | $\vdash$ | ╁  | +-       | 1-       | $\vdash$ | $\vdash$   | Н        |
| <del></del>  | 47       | N       |                | ╁        | ╁  | ╁╌       | ╁        | $\vdash$ | +-         | $\vdash$ |
| -            | 48       | N       |                | +-       | ╁  | +-       | ⊢        | $\vdash$ | ⊢          | $\vdash$ |
| $\vdash$     |          | N       |                | ╁        | ╀  | ╁        | +-       | $\vdash$ | ⊢          | Н        |
| -            | 49       |         | 从              | +-       | ╀  | ╀        | ⊢        | ⊢        | ├          | Н        |
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|             |            |              |          |            |  |          | _          | _        | _        | $\Box$   |
|             | 51         | z            | N        |            |  |          |            |          | i        |          |
|             | 52         | Z            | 1        |            |  |          | $\neg$     |          |          |          |
|             | 53         | N            | Н        | Г          |  | $\Box$   | ヿ          |          |          | $\Box$   |
| <del></del> | 54         | N            | H        | ┢          | <del>                                     </del> | H        | $\dashv$   | _        |          | $\Box$   |
|             |            | N            | H        | -          | <del>                                     </del> | ⊢        | $\dashv$   | $\dashv$ | _        | $\vdash$ |
| <u> </u>    | 55         | 7            | H        | ┞          | ⊢  | ⊢⊣       | -          |          | _        | Н        |
|             | 56         | N            | N        | ╙          | L  | Щ        | -          | _        |          | $\dashv$ |
|             | 57         | 1            | N        | ┖          | _  | Щ        | _          | _        |          | Щ        |
| ·           | 58         | 1            | V        | Γ_         | <u> </u>   | $[\_ ot$ |            |          |          |          |
|             | 59         | 1            | 1        |            | Г  |          |            |          |          |          |
|             | 60         | 1            | ╫        | <u> </u>   |  |          | $\neg$     |          |          |          |
| _           | 61         | i            | H        | 一          | +-   | Н        | _          | _        | $\vdash$ | П        |
| $\vdash$    | 62         | 7            | H        | ├-         | ┝  | ┤        | -1         |          | -        | Н        |
| <u> </u>    | 62         |              | Ц-       | ┡          | <b>├</b>   | Щ        | $\dashv$   |          | -        | Н        |
|             | 63         | 1            | 11       | <u> </u>   | <u> </u>   | Ш        | $\dashv$   | _        |          | Н        |
|             | 64         | 1            | Ц        | L          |  | Щ        |            |          | _        | Щ        |
|             | 65         | 1            | П        | Γ          | T  |          |            |          |          |          |
|             | 66         | 1            | 11       | T          | T  |          |            |          |          |          |
| $\vdash$    | 67         | V            | ++       | +          | †  | $\vdash$ |            | _        | $\vdash$ |          |
| <u> </u>    | 68         | 1            | ₩        | ╀          | ╫┈   | $\vdash$ | -          |          | ┝        | Н        |
| <u></u>     | 00         |              | H        | ┞          | ⊢  | $\vdash$ | $\dashv$   |          | ├        | Н        |
|             | 69         | 1            | Ц        | <u> </u>   | 辶  | Щ        | Щ          |          | <u> </u> | $\sqcup$ |
|             | 70         | 1            | Ш        | L          | <u> </u>   |          |            |          | L        | Ľ        |
|             | 71         | 1            | 1        | T          | T  | Π        |            |          |          |          |
| $\vdash$    | 72         | J            | ⅳ        | 1          | 忊  |          |            |          | Г        |          |
| <del></del> | 73         | H            | 一        | t          | 十  | $\vdash$ | Н          | _        | Н        | I        |
|             | 74         | ⊢            | ┼~       | ╁╌         | ╁  | -        | Н          | -        | ┝        | -        |
| <b>-</b>    | 17         | ╀-           | +-       | +          | ╀  | -        | Н          | $\vdash$ | ⊢        | ┝        |
| <u> </u>    | 75         | ┞            | ╀-       | ╀-         | ╀-   | 1        | Щ          | _        | <b>!</b> | ⊢        |
|             | 76         | _            | ┖        | <b> </b> _ | 1_   | L        | L          |          | Ļ        | <b> </b> |
| <u> </u>    | 77         | <u> </u>     |          | _          | 1_   |          |            | L        | L        | <u> </u> |
|             | 78         | Ι            | L        | L          |  |          |            | _        |          | _        |
|             | .79        |              | 1        | Τ          | T  |          |            |          |          | $T_{\_}$ |
|             | 80         | T            | 1        | $\top$     | ✝  | 1        |            | -        |          |          |
| $\vdash$    | 81         | ╁            | $\vdash$ | †-         | 十  | 1        | $\vdash$   |          | $\vdash$ | ┼─       |
| <u> </u>    | 82         | ╀            | ╁╌       | ╁          | +  | ┼        | -          |          | ╁        | ┼        |
| <u> </u>    | 02         | <del> </del> | ╄        | ╀          | ╄  | ╀        | -          | -        | ┝        | ╀        |
| _           | 83         | <u>↓</u>     | L        | 1_         | ↓_   | ┶        | L          | _        | ┖        | ┞-       |
|             | 84         |              |          | 1_         | L  | <u></u>  |            | _        | L        | _        |
|             | 85         |              | Γ        |            | L_   |          |            |          |          | 1        |
|             | 86         | T            | 1        | T          | Т  | П        | П          |          | Γ        | П        |
| <del></del> | 87         | 1            | $\top$   | †          | 1  | t        | $\vdash$   |          | 1        | ✝        |
| $\vdash$    | 88         | ╁            | ╁        | ┿          | +-   | ╁        | ╌          | -        | +-       | 十        |
| $\vdash$    |            | +-           | +-       | +-         | +-   | +        | ⊢          | ├        | ╁╌       | ╁        |
| <u></u>     | 89         | ╄            | ╀-       | ╄          | +-   | ₩        | <b> </b> _ | ├        | +-       | ╀        |
|             | 90         | <b>!</b> _   | 1        | 1_         | ╀-   | ļ        | _          |          | ↓_       | ╄        |
|             | 91         | <u> </u>     | 1_       |            | <u> </u>   | <u>L</u> | L          | L        | <u> </u> | <u> </u> |
|             | 92         | П            | Т        | Т          | 1  | 1        | l _        | l_       | L        |          |
|             | 93         | 7            | Т        | Т          | Т  | 1        | П          | Г        | Г        | T        |
|             | 94         | +-           | +        | +-         | +-   | T        | Т          | 1        | 1        | 1        |
| -           | 95         | ╁╴           | +-       | ┿          | +-   | +-       | ┢          | ╌        | ╁        | t        |
| -           |            | ╀            | ╁        | +          | ╫  | ┿        | ⊢          | ├-       | ╁        | +        |
| <u> </u>    | 96         | ╄            | ╄        | +          | ╄-   | ╀-       | ⊢          | ├-       | ╀        | ╀        |
|             | 97         | L            | $\perp$  | $\perp$    | ┸  | 1_       | ┞-         | <b>L</b> | ↓_       | ↓_       |
|             | 98         | Г            |          |            | L  | 1        |            | <u>L</u> | 1_       | 1_       |
|             | 99         | Т            | Τ        | Т          | Т  |          | Γ          | Г        |          |          |
| -           | 1          | +            |          | -          | +-   | +-       | -          |          | 1-       |          |

| Cl       | aim        | Date     |          |           |           |              |                                     | $\neg$   |  |          |
|----------|------------|----------|----------|-----------|-----------|--------------|-------------------------------------|----------|--|----------|
|          |            |          |          |           |           |              |                                     |          |  |          |
| Final    | Original   |          |          |           |           |              |                                     |          |  |          |
|          | 101        |          |          |           |           | Ŀ            |                                     |          |  | $\Box$   |
|          | 102        |          |          |           |           | L            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | Ш  | _        |
| <u></u>  | 103        |          | _        | <u> </u>  | <b> </b>  | <u> </u>     | ┡                                   |          | Н  | $\dashv$ |
| <u> </u> | 104        | _        | <u> </u> | <u> </u>  | -         | ├            | ├-                                  | <u> </u> | H  | $\dashv$ |
| <u> </u> | 105        | ┝        | ⊢        | ⊢         | ⊢         | -            | ⊢                                   | ⊢        | Н  | $\dashv$ |
| <u> </u> | 106        | <u> </u> | ⊢        | ⊢         | Ι÷        | ┢─           | -                                   | ┢╾       | $\vdash$   | -        |
| <u> </u> | 108        | ┢        | $\vdash$ | Н         | $\vdash$  | Н            | ┢                                   | ┢        | $\vdash$   | -        |
| _        | 109        | $\vdash$ | $\vdash$ | m         | 一         | 1            | T                                   |          | П  | $\Box$   |
|          | 110        |          |          | Τ         |           |              |                                     |          |  |          |
|          | 111        |          |          |           |           |              |                                     |          |  |          |
|          | 112        |          |          | Ŀ         | L         | 匚            |                                     | 匚        |  |          |
|          | 113        | <u> </u> | L        |           | <b> </b>  | 1            | 1                                   | $\vdash$ | ┡  | Ш        |
| <u></u>  | 114        |          | L        | ⊢         | $\vdash$  | ⊬            | ├-                                  | -        | ⊢  | Н        |
| $\vdash$ | 115<br>116 |          | H        | ⊢         | -         | +            | $\vdash$                            | $\vdash$ | ├  | Н        |
|          | 117        | ├        | ┢        | ┢         | ╁╌        | ╁            | ┝                                   | ⊢        | ⊢  | Н        |
| -        | 118        | ┢        | ┢        | ╁╌        | ╁╴        | ╁            | ┼-                                  | +-       | $\vdash$   | Н        |
| -        | 119        | ├        | -        | $t^-$     | t         | 1            | ╅┈                                  | T        | <del>                                     </del> | Н        |
|          | 120        | T        | Г        | T         | 1         |              | 1                                   | Τ        | Т  |          |
|          | 121        |          | Г        |           | Τ         |              | 1                                   |          |  |          |
|          | 122        | <u> </u> |          | L         |           |              |                                     |          |  |          |
|          | 123        |          |          |           |           | $\perp$      | 丄                                   | 丄        | ↓_   | Щ        |
|          | 124        | ╙        | 1_       | Ļ.        | 1         | ╄            | 1                                   | 丄        | ┡  |          |
| <u> </u> | 125        | -        | ⊢        | ŀ         | ╀         | ╀            | ╀                                   | ╄-       | ╀  | Н        |
| -        | 126<br>127 | ⊢        | ⊢        | ╀         | +-        | ╀            | ┿                                   | ╁╌       | ╁  | -        |
| $\vdash$ | 128        | ╁        | ┢        | ╁╌        | ╁╌        | ╁╌           | ╁                                   | +        | ╁  |          |
| 1        | 129        | H        | ✝        | +-        | †         | ✝            | +                                   | 1-       | 1  | Н        |
|          | 130        | t        | 1        | T         | $\top$    | T            | $\top$                              | 1        |  |          |
|          | 131        |          |          |           |           |              | $\Box$                              |          | $\Box$   |          |
|          | 132        |          |          | $\perp$   | L         | 1            | 1_                                  | L        | ╙  |          |
|          | 133        | _        | ╄        | ╀         | ┺         | 1            | ╄                                   | ┸        | ↓_   | _        |
| <u> </u> | 134        | ↓_       | ╄        | +-        | 1         | ╄            | ╂                                   | +-       | ┼-   | ├-       |
| _        | 135        | ╀        | ╄        | ╀         | ╀         | ╀            | ╂                                   | ╀        | ╁  | ├        |
| -        | 136<br>137 | ╁        | ⊢        | ╁         | ╁         | ╁            | ╁╌                                  | ╁        | ╫╌   | ⊢        |
| $\vdash$ | 138        | +-       | ╁        | ╁╴        | ╁         | ╁            | +                                   | ╁        | +-   | -        |
|          | 139        | +-       | t        | t         | ╁         | 十            | 十                                   | T        | 1  | Г        |
| $\vdash$ | 140        | 1        | 1        | T         | †-        | 1            | 1                                   | T        | Τ  | Г        |
|          | 141        |          |          |           | 1.        |              | Τ                                   |          |  |          |
|          | 142        | Г        | Γ        | I         | I         | $\Box$       | L                                   | L        | $oxedsymbol{\Box}$                               | 匚        |
|          | 143        | 1        | 1        | 1         | 1         | ╀            | ╀                                   | 4        | 4-   | ـ        |
| <u> </u> | 144        | ╄        | 1        | 1         | +         | ╀            | +                                   | +-       | 4  | -        |
| $\vdash$ | 145        | +        | ╀        | +         | ╀         | +-           | ╀                                   | +        | ╂  | $\vdash$ |
| $\vdash$ | 146<br>147 | ╀        | ╁        | ╁         | +         | +            | +                                   | ┿        | ╁  | ╁╌       |
| -        | 148        | +        | ┿        | +         | +         | +-           | ╁                                   | +        | +  | 1        |
| $\vdash$ | 149        | T        | t        | 十         | $\dagger$ | $^{\dagger}$ | 十                                   | T        | T  | $\vdash$ |
|          | 150        |          | T        | $\dagger$ | 士         | T            | T                                   |          | T  | 1        |